

P a t e n t c l a i m s

1.

A floor deck member (1; 30) for scaffolding (24), wherein the floor deck member at
5 each end has a mounting area (2, 3; 33, 34) designed to rest on a scaffold beam (25; 26),
- wherein the floor deck member has a plurality of elongate reinforcing profiled
members (4, 5, 6; 37, 38, 39) which are embedded in longitudinal ribs (7, 8, 9;
35, 35', 35") on the underside of the floor deck member;
- wherein between adjacent ribs (7, 8, 9; 35, 35', 35") there are arranged support
10 ribs (10, 11; 36, 36'); and
- wherein a walk surface (12, 31, 32), the ribs (7, 8, 9; 35, 35', 35") and the support
ribs (10, 11; 36, 36') of the floor deck member are unitarily made of a composite
plastic material,
characterised in that respective end portions (4', 5', 6'; 37', 38', 39') of said
15 profiled members (4, 5, 6; 35, 35', 35") form said mounting area when bearing
against respective ones of the opposing scaffold beams (25; 26), and that
supporting pieces (2, 3; 33', 34') are arranged at each end of the floor deck
member and designed to limit movement of the floor deck member (1; 30)
relative to opposing scaffold beams (25; 26) when these support the floor deck
20 member via the mounting areas (2, 3; 33, 34).

2.

A floor deck member for scaffolding as stated in claim 1, characterised in that the
plastic material is composed of polyolefin material, for example, copolymer
25 polypropylene, with an added mineral material, the plastic material also having an
expansion material added thereto during moulding.

3.

A floor deck member for scaffolding as stated in claim 2, characterised in that the
30 proportion of the mineral material is 10-40%, preferably 20%.

4.

A floor deck member for scaffolding as stated in claim 3, characterised in that the
mineral material is dolomite.

5.

A floor deck member for scaffolding as stated in claim 2, characterised in that the expansion material is added in an amount of 1-5% by weight, preferably 2% by weight.

5 6.

A floor deck member for scaffolding as stated in one or more of the preceding claims, characterised in that the reinforcing profiled members (4", 5", 6") in the floor deck member are capable of being joined to reinforcing profiled members in a longitudinal direction in an intermediate or adjacent floor deck member (13).

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7.

A floor deck member for scaffolding as stated in one or more of preceding claims 1-5, characterised in that the floor deck member can be split into at least two parts (19, 16) for insertion of one or more extension pieces (13), which have a plurality of elongate reinforcing profiled members (17, 18, 19) that are embedded in longitudinal ribs (20, 21, 22) on the underside of the extension piece, and where a walk surface (23), the ribs (20-22) and optional support ribs (24, 25) of the extension piece are unitarily made of said composite material, and that the extension piece forms a mechanical connection with adjacent floor deck member parts (1; 15; 16) when joined between the reinforcing profiled members (4", 5", 6") of the floor deck member part and the reinforcing profiled members (17-19) of the extension piece.

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